

20060923.ba v03_n959.bam.20060923

>From ???@??? Sat Sep 23 09:25:32 2006 -0500
Date: Sat, 23 Sep 2006 14:24:24 GMT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3959
Message-Id: <20060923142425.9FF631B7ED3@srvr1.theporch.com>

BOATANCHORS Digest 3959

Topics covered in this issue include:

- 1) Re: weird EFJ Valiant problem
by Roy Morgan <roy.morgan@nist.gov>
- 2) Re: weird EFJ Valiant problem
by "JAMES HANLON" <knjhanlon@msn.com>
- 3) Re: BOATANCHORS digest 3958
by Roy Morgan <roy.morgan@nist.gov>
- 4) Book FS
by "Charles J. Brenner" <cbrenner@charter.net>
- 5) RE: scr522 vs T-1196 'n stuff
by "Ed Zeranski" <ezeran@ezeran.cnc.net>
- 6) Classic Exchange - CX - this Sunday
by "J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com>
- 7) Re: weird EFJ Valiant problem
by "Arden Allen" <gumbear@pacbell.net>
- 8) CORRECTION - Classic Exchange - CX - this Sunday
by "J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com>
- 9) Re: Classic Exchange - CX - this Sunday
by Daniel J Wright <dwright12@neb.rr.com>
- 10) CORRECTION: Classic Exchange - CX - It really is this Sunday and next Sunday
by "J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com>
- 11) CX Information
by Richard Dillman <ddillman@igc.org>
- 12) CX Web Site
by Richard Dillman <ddillman@igc.org>
- 13) Hallicrafters speaker question
by chuck grandgent <chuck@chuckg.com>
- 14) Re: weird EFJ Valiant problem
by ail0@att.net

Message-Id: <6.0.0.22.2.20060922130105.0502ae70@mailserver.nist.gov>
Date: Fri, 22 Sep 2006 13:04:56 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Roy Morgan <roy.morgan@nist.gov>
Subject: Re: weird EFJ Valiant problem

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:46 PM 9/22/2006, you wrote:

>Have a problem with a Valiant that has me stumped.

>

>First symptom was excessive modulator idle current at 0 on the mic gain, BUT,
>current is normal at 6!

>

>Signal tracing shows a 13 hertz oscillation

Mike,

You need to check ground points and filter capacitors. That is AFTER you replace any old coupling caps in the audio section. If the thing is oscillating at 13 cps, you will get excessive modulator idle current. If the audio gain pot is inside the loop, either part of the oscillations, or changing the effect of a leaky coupling cap, then you would see the effects you report.

Clip-lead a nice big electrolytic cap in parallel with filter caps to stop the oscillations, and replace all old coupling caps. Loosen and re-tighten all ground points.

Roy

- Roy Morgan, K1LKY since 1959 - Keep 'em Glowing
13033 Downey Mill Road, Lovettsville, VA 20180
Phone 540-822-5911 Cell 301-928-7794
Work: Voice: 301-975-3254, Fax: 301-975-6097
roy.morgan@nist.gov --

Message-ID: <BAY110-DAV1672EB482A7834CCEF09DEA0210@phx.gbl>
From: "JAMES HANLON" <knjhanlon@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: weird EFJ Valiant problem
Date: Fri, 22 Sep 2006 11:06:10 -0600
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="====_NextPart_000_009A_01C6DE37.1C3C76D0"

This is a multi-part message in MIME format.

-----=_NextPart_000_009A_01C6DE37.1C3C76D0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Mike,

With "motorboats" like this, the feedback coupling path is usually =
through the B+ line. You might experiment with decoupling resistors to =
feed the individual audio stages accompanied by additional electrolytic =
bypass caps at the junction between the decoupling resistor and the =
stage being fed.

Jim, W8KGI

-----=_NextPart_000_009A_01C6DE37.1C3C76D0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
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* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----=_NextPart_000_009A_01C6DE37.1C3C76D0--

Message-Id: <6.0.0.22.2.20060922125327.04f72cf8@mailserver.nist.gov>
Date: Fri, 22 Sep 2006 12:56:39 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Roy Morgan <roy.morgan@nist.gov>
Subject: Re: BOATANCHORS digest 3958
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

> > Nothing on cavalry mules, very little on horse, but there's bunches
> > on pigeons --

Anchorites,

Sorry, can't help but "contribute" here:

Near my new QTH in Rural Virginia there live a half dozen retired mules.

These animals spent their working lives on the C and O canal nearby as part of the "museum" functions and actually hauled boats/barges on the canal. Now, they draw a pension in retirement from the government - one dollar a year.

Roy

- Roy Morgan, K1LKY since 1959 - Keep 'em Glowing
13033 Downey Mill Road, Lovettsville, VA 20180
Phone 540-822-5911 Cell 301-928-7794
Work: Voice: 301-975-3254, Fax: 301-975-6097
roy.morgan@nist.gov --

Message-Id: <5.2.1.1.2.20060922125710.009ebec0@pop.charter.net>
Date: Fri, 22 Sep 2006 13:01:39 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "Charles J. Brenner" <cbrenner@charter.net>
Subject: Book FS
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Reference Data for Radio Engineers, Third Edition; Eighth printing,
September, 1954; Federal Telephone and Radio Corp. Good condition, binding
intact, no loose pages. \$20 plus USPS shipping from ZIP 54751

From: "Ed Zeranski" <ezeran@ezeran.cnc.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: scr522 vs T-1196 'n stuff
Date: Fri, 22 Sep 2006 13:33:12 -0700
Message-ID: <EMEPKDEJDNHEMLEAHGKHMEPJDFAA.ezeran@ezeran.cnc.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed - you just fired some long-dormant neurons here.
SRC-20/21? containing URC-9? 225-400Mc AM transceiver?
Nick

Thats the beast! The SRC-20 replaced the AN/GRC-27 another 'interesting'
piece of comm gear. That tab bending scheme to track a transmitter was used
on ARC-27 etc. By comparrison the old URT-7, TED/RED, URR-35, was easy to
keep going. Sorry to bring up a nasty subject `8^o=

EdZ

Message-ID: <20060922213536.92165.qmail@web54615.mail.yahoo.com>
Date: Fri, 22 Sep 2006 14:35:36 -0700 (PDT)
From: "J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com>
Subject: Classic Exchange - CX - this Sunday
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="0-1967137954-1158960936=:90711"
Content-Transfer-Encoding: 8bit

--0-1967137954-1158960936=:90711
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Classic Exchange "CX" The CX is a no-pressure contest celebrating the older commercial and homebrew equipment that was the pride and joy of ham shacks many decades ago.

The object is to encourage restoration, operation and enjoyment of this older "Classic" equipment. However, you need not operate a Classic rig to participate in the CX.

YOU MAY USE ANY RIG in the contest although new gear is a distinct scoring disadvantage. You can still work the "great ones" with modern equipment.

WHEN - WHERE - WHAT Saturday February 11, 2006 from 1400 UTC to 0800 UTC on February 12, 2006.

(9 A.M. Eastern Time on Saturday to 3 A.M. Eastern Time on Sunday)

AM and SSB only

AND

Sunday February 12, 2006 from 1400 UTC to 0800 UTC on February 13, 2006.

(9 A.M. Eastern Time on Sunday to 3 A.M. Eastern Time on Monday)

AM, SSB, and CW

CW: Send "CQ CX"

Phone: Call "CQ Classic Exchange"

SUGGESTED FREQUENCIES:

CW: 1.810 3.545 7.045 14.045 21.135 28.050

50.100 144.10

AM: 1.890 3.880 7.290 14.286 21.420 29.000

50.300 144.200

SSB: 1.885 3.870 7.280 14.270 21.370 28.390

50.125 144.250

Exchange your name, RST, QTH (state US, province for Canada, country for DX), receiver and transmitter manufacturer/model (homebrew send final amp tube or transistor type) and other interesting conversation.

The same station may be worked with different equipment combinations on each band and in each mode. Non-participating stations may be worked for credit.

SCORING

Calculate your score for each mode (AM, SSB, CW) and total these scores for your overall CX score.

For each mode:

Multiply total number of complete QSOs (all bands) by your CX multiplier.

Complete QSO requires successful exchange of name, QTH, RST, type of transmitter and type of receiver.

CX multiplier: Total age in years old of all receivers and transmitters you used in that mode.

Each receiver and transmitter must be used in a minimum of three complete QSOs to be counted in the multiplier.

If the equipment is homebrew, count it as a minimum of 25 years old unless actual construction date or date of its construction article (in the case of a reproduction) is older.

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Certificates and appropriate memorabilia are awarded every now and then for the highest score, the longest DX, exotic equipment, noteworthy signals, best excuses and other unusual achievements.

Send logs, scores, comments, anecdotes, pictures, etc. to J.D. iMac MacAulay, e-mail to: WQ8U at arrl.net

Or by snail mail to:

WQ8U

104 W. Queen St.

Hillsborough, NC 27278

The CX Newsletter and announcement of the next CX will be posted on the CX website: qsl.asti.com/CX

--0-1967137954-1158960936=:90711
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Content-Transfer-Encoding: 7bit

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* * * * *

--0-1967137954-1158960936=:90711--

Message-ID: <00ac01c6de91\$1564a760\$f6e47443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: weird EFJ Valiant problem
Date: Fri, 22 Sep 2006 14:39:42 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bill,

Thanks for the complement but let me add something:

> The fact that the mic gain control can cancel the osc
> says that there is B+ (or corroded ground) coupling to
> the first mic amp. Its 180 shift is what cancels the
> oscillation at the right gain.

Not necessarily. By varying the mic gain you are varying the grid impedance which varies the tube's Miller capacitance effect. An adjustable phase shift amplifier, the output being coupled to the next stage and so on. No need for B+ leakage to the grid, the input is effectively cathode to plate with the grid caught somewhere in between.

Arden Allen
KB6NAX

Message-ID: <20060922215748.45298.qmail@web54611.mail.yahoo.com>
Date: Fri, 22 Sep 2006 14:57:48 -0700 (PDT)
From: "J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com>
Subject: CORRECTION - Classic Exchange - CX - this Sunday
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="0-1942333136-1158962268=:44561"
Content-Transfer-Encoding: 8bit

--0-1942333136-1158962268=:44561
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Classic Exchange "CX" September 24, 2006 ñ AM and SSB October 1, 2006 ñ CW
Operating on 160-80-40-20-15-10-6-2 The CX is a no-pressure contest celebrating
the older commercial and homebrew equipment that was the pride and joy of ham
shacks many decades ago. The object is to encourage restoration, operation and
enjoyment of this older "Classic" equipment. However, you need not operate a
Classic rig to participate in the CX.

YOU MAY USE ANY RIG in the contest although new gear is a distinct scoring
disadvantage. You can still work the "great ones" with modern equipment.

This Fall CX will again be conducted on two successive Sundays.

In addition to the many wonderful old AM rigs; there are many iClassicî old SSB
rigs, such as the Central Electronics 20A, Hallicrafters HT-30 and SSB augmented
Viking Valiants and B&W 5100s that would be fun to hear again. By restricting CX
to AM and SSB the first Sunday, we will avoid the RTTY contest QRM in the CW
bands.

The second Sunday will be CW only.

There will be CX recognition for high scores in AM, SSB, and CW as well as
overall. Additionally, there will be special honors for all getting into the CX
with Classic 6 and 2 meter rigs such as the Harvey-Wells BandMaster, Heath
Lunchbox, Gonset Communicator and Johnson 6N2. (K3KYR, Jeff had 70 CX QSOs on 6
and 2 meters in the February 2006 CX. Can you do better?)

WHEN - WHERE - WHAT The AM and SSB CX will run from 1300 UTC September 24 to
0700 UTC September 25, 2006.

(9 AM Eastern Time on Sunday to 3 AM Eastern Time Monday)

Call "CQ Classic Exchange"

The CW CX will run from 1300 UTC October 1 to 0700 UTC October 2, 2006.

(9 AM Eastern Time on Sunday to 3 AM Eastern Time Monday)

Send "CQ CX"

SUGGESTED FREQUENCIES:

CW: 1.810 3.545 7.045 14.045 21.135

28.050 50.100 144.100 Mc.

AM: 1.890 3.880 7.290 14.286

21.420 29.000 50.300 144.300 Mc.

SSB: 1.885 3.870 7.280 14.270 21.370

28.390 50.125 144.200 Mc.

Exchange your name, RST, QTH (state US, province for Canada, country for DX), receiver and transmitter manufacturer/model (homebrew send final amp tube or transistor type) and other interesting conversation.

The same station may be worked with different equipment combinations on each band and in each mode.

Non-participating stations may be worked for score if all required information is exchanged.

SCORING Calculate your score for each mode (AM, SSB, CW) and total those scores for your overall CX score.

For each mode:

Multiply the total number of complete QSOs (all bands) by your CX multiplier

Complete QSO requires successful exchange of name, QTH, RST, type of transmitter and type of receiver.

CX multiplier is the total age in years old of all receivers and transmitters you used in that mode.

Each receiver and transmitter must be used in a minimum of three complete QSOs to be counted in the multiplier.

If the equipment is homebrew, count it as a minimum of 25 years old unless actual construction date or date of its construction article is older.

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Send logs, comments, anecdotes, pictures, etc. to J.D. "Mac" Mac Aulay, WQ8U

BY e-mail to: WQ8U at ARRL.NET (Replace "AT" with "@")

Or by mail to:

WQ8U

104 W Queen St. Hillsborough, NC 27278

The CX Newsletter and announcement of next CX will be posted on the CX web site:
qsl.asti.com/CX

"J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com> wrote: Date: Fri, 22 Sep 2006
14:35:36 -0700 (PDT)

From: "J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com>

Subject: Classic Exchange - CX - this Sunday

To: Boatanchor list Boatanchor list <boatanchors@theporch.com>

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WHEN - WHERE - WHAT Saturday February 11, 2006 from 1400 UTC to 0800 UTC on February 12, 2006.

(9 A.M. Eastern Time on Saturday to 3 A.M. Eastern Time on Sunday)

AM and SSB only

AND

Sunday February 12, 2006 from 1400 UTC to 0800 UTC on February 13, 2006.

(9 A.M. Eastern Time on Sunday to 3 A.M. Eastern Time on Monday)

AM, SSB, and CW

CW: Send "CQ CX"

Phone: Call "CQ Classic Exchange"

SUGGESTED FREQUENCIES:

CW: 1.810 3.545 7.045 14.045 21.135 28.050

50.100 144.10

AM: 1.890 3.880 7.290 14.286 21.420 29.000

50.300 144.200

SSB: 1.885 3.870 7.280 14.270 21.370 28.390

50.125 144.250

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Mac
WQ8U
Hillsborough, NC
--0-1942333136-1158962268=:44561
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* * * * *
```

--0-1942333136-1158962268=:44561--

Message-ID: <45146226.7080801@neb.rr.com>
Date: Fri, 22 Sep 2006 17:22:30 -0500
From: Daniel J Wright <dwright12@neb.rr.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Classic Exchange - CX - this Sunday
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Is everybody else getting this? I'd like to read about the CX, but.....

```
> * * * * *
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```

[illegible]

Message-ID: <20060923005943.31658.qmail@web54610.mail.yahoo.com>
Date: Fri, 22 Sep 2006 17:59:43 -0700 (PDT)
From: "J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com>
Subject: CORRECTION: Classic Exchange - CX - It really is this Sunday and next Sunday
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="0-810650277-1158973183=:29342"
Content-Transfer-Encoding: 8bit

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--0-810650277-1158973183=:29342
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
```

It appears that my initial e-mail, which was incorrect, and the correction e-mail are being truncated for some list participants. I am sorry for using so much bandwidth.

Hopefully this announcement will pass the filters. Please e-mail me directly if it does not and I will send you the announcement.

Hope to work you in the CX.

73

Mac

WQ8U

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28.050 50.100 144.100 Mc.

AM: 1.890 3.880 7.290 14.286

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by e-mail to:

WQ8U at ARRL.NET (Replace "at" with "@")

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--0-810650277-1158973183=:29342--

Message-ID: <25085363.1158974944638.JavaMail.root@mswamui-
andean.atl.sa.earthlink.net>

Date: Fri, 22 Sep 2006 21:29:04 -0400 (EDT)

From: Richard Dillman <ddillman@igc.org>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: CX Information

Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

WQ8U sent me this information privately which I repost for the information =
of all.

RD

Date: Fri, 22 Sep 2006 14:57:48 -0700 (PDT)

From: "J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com>

Subject: CORRECTION - Classic Exchange - CX - this Sunday

To: Old Tube Radios <boatanchors@theporch.com>

Classic Exchange "CX" September 24, 2006 =C2=96 AM and SSB October 1, 2006 =
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disadvantage. You can still work the "great ones" with modern equipment.

This Fall CX will again be conducted on two successive Sundays.

In addition to the many wonderful old AM rigs; there are many =C2=93Classic=
=C2=94 old SSB rigs, such as the Central Electronics 20A, Hallicrafters HT-=
30 and SSB augmented Viking Valiants and B&W 5100s that would be fun to hea=
r again. By restricting CX to AM and SSB the first Sunday, we will avoid th=
e RTTY contest QRM in the CW bands.

The second Sunday will be CW only.

There will be CX recognition for high scores in AM, SSB, and CW as well as =
overall. Additionally, there will be special honors for all getting into th=
e CX with Classic 6 and 2 meter rigs such as the Harvey-Wells BandMaster, H=

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Message-Id: <20060923123334.LRLG4123.ispmxaamta04-gx.windstream.net@octave-mcmsbb3d>

I have a question about a hallicrafters speaker I'm thinking of hooking up to an SX-16, please see http://www.chuckg.com/hallicrafters_speaker.htm

Thanks,

Chuck, K10M Alachua, Florida

From: ail0@att.net

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: weird EFJ Valiant problem

Date: Sat, 23 Sep 2006 14:24:14 +0000

Message-Id:

<092320061424.19357.4515438E000A2FDC00004B9D2161243646CF04070E@att.net>

As pointed out already - "motorboating" at such a low frequency is a problem with B+ impedance. Do some more bypassing and look for a bad ground on one or more bypass capacitors.

Art

End of BOATANCHORS Digest 3959
